

### **REMARKS**

This paper is submitted in response to the non-final Office Action mailed July 18, 2008 and is accompanied by a petition for a three-month extension of time. The petition fee has been paid by credit card. No additional fees are believed to be necessary for proper entry and consideration of this paper.

By the foregoing, claims 1, 3, 4, and 12 are currently amended; claims 2, 7, and 9 are canceled; and claims 18-20 are added for examination on the merits. Support for the amendments to claim 1 can be found in previously pending claim 2, as well as in lines 18-24 on page 4 in combination with lines 6-10 on page 2 of the originally-filed application, for example. Claims 3, 4, and 12 are merely amended to be consistent with amended claim 1. Support for new claim 18 can be found in lines 16-17 on page 3 of the originally-filed application, for example. Support for new claims 19 and 20 can be found in lines 18-24 on page 4 of the originally-filed application, for example. Accordingly, no new matter is added.

Initially, the Office Action points out that the listing of patent references in the specification of the application does not constitute a proper information disclosure statement and, therefore, these references have not been considered. A proper information disclosure statement citing the two patent references identified in the specification, as well as various other art, is submitted herewith.

Furthermore, the Office Action rejects (a) claims 1-7, 9-12, 16, and 17 under 35 USC §102(a) as being anticipated by Andrusiak (US 5923285); (b) claim 8 under 35 USC §103(a) as obvious over Andrusiak in view of Henri (US 4774516); and (c) claims 13 and 15 under 35 USC §103(a) as obvious over Andrusiak in view of Reese (US 2002/0141732).

Claim 1 is amended to recite that the head unit of the radar system includes:

a signal processing unit...for processing a received radar signal  
and for combining the received radar signal with data from at  
least one other source, and configured to simultaneously  
process the received radar signal and *output radar data in at  
least two different digital formats.*

As mentioned above, this is supported by the application as originally-filed, at page 4, lines 18-24, which states:

All of the required information is assembled in the video processor, but it may be assembled into multiple differing video streams, which may be either separately transmitted or transmitted in a multiplexed form. The video processor may for instance produce feeds for a raw signal, a decluttered signal, a moving target signal, a range ring signal, and a map signal and all may be separately encoded into the output. It is well within the capabilities of, for instance, Ethernet, to carry many simultaneous video streams at the resolution required for a radar display.

In rejecting claim 2 of the application as anticipated by Andrusiak, the Office Action stated that “the signal processing unit simultaneously outputs data for at least two differing processed radar signals (col2, lines 56-67).” While Andrusiak may disclose simultaneously processing two radar signals, i.e., radar signals from different radar systems, and outputting the two processed radar signals, Andrusiak does not disclose providing output radar data in at least two different digital formats from a single received radar signal, as recited in amended independent claim 1. Moreover, it would not be obvious to modify Andrusiak to arrive at the claimed invention because there is no suggestion to do so.

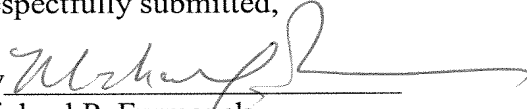
Furthermore, neither Henri nor Reese, alone or in combination, discloses providing in a head unit containing a radar transmitter and radar receiver and configured to be closely associated with a radar antenna, a signal processing unit arranged to process a received radar signal to two different digital formats and simultaneously outputting radar data in at least two different digital formats.

Therefore, reconsideration and withdrawal of the outstanding rejections are respectfully requested.

In view of the foregoing amendment, the applicant believes the pending application is in condition for allowance.

Dated: January 16, 2009

Respectfully submitted,

By   
Michael P. Furmanek

Registration No.: 58,495  
MARSHALL, GERSTEIN & BORUN LLP  
233 S. Wacker Drive, Suite 6300  
Sears Tower  
Chicago, Illinois 60606-6357  
(312) 474-6300  
Attorney for Applicant